

OFF GRID MX 30/50 LI



FEATURES:

- Deep cycle automotive NMC Li-Ion battery
- Advanced EMS with touch screen control
- 100A pass-through capacity
- GSM Remote monitoring
- Full system DC isolator with pre-charge
- V50 Power™ for enhanced DC bus stability
- Auto Full system bypass
- Single to three phase conversion



Output specifications

| | | |
|---------------------------|-----|---------|
| Output power (Continuous) | kVA | 30 |
| Output power peak (5s) | kW | 60 |
| Voltage | V | 400/230 |
| Frequency | Hz | 50 |
| Phases | | 3 |



Battery specifications

| | | |
|----------------------------------|--------|------------|
| Battery (Type) | | Li-Ion NMC |
| Battery design life (to 80% DoD) | cycles | 3000 |
| Battery Nominal capacity (sizes) | kWh | 50 |
| Usable energy (@80% DoD) | kWh | 40 |



General Description

Off Grid MX is a universal Battery Energy Storage system (BES) ideally suited to a range of applications, delivering reliable power in the most cost effective and environmentally sensitive way. Energy stored within the unit is converted electronically into mains power. Power can be derived from integrated solar PV, connection to an external grid supply or from a diesel generator or wind turbine. Energy is automatically managed from any or all of these energy sources to ensure the most efficient, lowest maintenance and best environmental impact is achieved. Remote communication ensures real time monitoring and maintenance can be effected from any location in the world.



Input specifications

| | | |
|---------------------------------|---|-----|
| Maximum input Three Phases 400V | A | 100 |
| Maximum input Single Phase 230V | A | 100 |
| System pass-through capacity | A | 100 |

Installation data

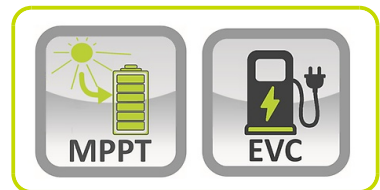
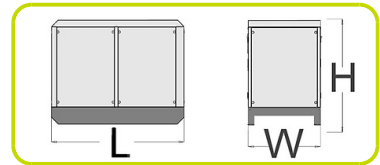
| | | |
|--|--------|----------|
| Length | (L) mm | 1600 |
| Width | (W) mm | 1020 |
| Height | (H) mm | 1708 |
| Weight | kg | 980 |
| Protection rating | IP | 34 |
| Operating temperature range (charging suspended below 0°C) | °C | -10...55 |

Instruments, controls & connections

| | |
|---------------------------------------|--|
| System status control panel | ✓ |
| Battery condition | ✓ |
| Battery main isolator | ✓ |
| GSM Remote monitoring | ✓ |
| Automatic generator auto-start signal | ✓ |
| Input 63A 400/230V IEC 60309 3ph | 1 |
| Input connection | IEC 60309 or hardwire stud |
| Output MCB's | ✓ |
| Output 32A 230V IEC 60309 1ph | 1 |
| Output 32A 400/230v IEC 60309 3ph | 1 |
| Output 63A 400/230v IEC 60309 3ph | 1 |
| Output connection AC | 400V 3Phase IEC 60309 or hardwire stud |

Optional features

| | |
|-----------------------------|------|
| Solar PV charge controller | MPPT |
| EV Charge Point | EVC |
| Custom sockets distribution | CS |
| Custom colors | DCCX |



BATTERY STORAGE DEPLOYED WITH GENERATOR TO SUPPLY SITE WELFARE UNIT



The information is aligned with the Data file at the time of download. Printed on 24/05/2022 (ID 16588)

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